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TIME-SHIFTING DATA IN DIGITAL RADIO SYSTEMAbstract of the Disclosure

A satellite-based digital audio radio (SDAR) receiver is configured to temporarily store data that may be transmitted to the SDAR receiver at a time inconvenient to the subscriber. A memory arrangement buffers data output by a channel decoder. The SDAR receiver can use the buffered data prior to using any currently transmitted data. The buffered data is associated with buffered timing information that lags behind the current timing information associated with the currently transmitted data. The buffered data is available for use only once before a decryption subsystem receives the current timing information. If the subscriber uses the currently transmitted data, the decryption subsystem receives the current timing information. The decryption subsystem decrypts only data that is associated with timing information that is no earlier than the latest timing information received by the decryption subsystem. Accordingly, the buffered data becomes unavailable once the decryption subsystem receives the current timing information.